

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application

Inventor(s): Brian Tanner

Appln. No.: Unknown

Confirm. No.: Unknown

Filed: Herewith

Title: DIRECT DETECTION OF COIL RESISTANCE

PATENT APPLICATION

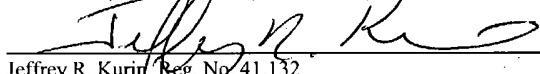
Art Unit:

Examiner:

Customer No. 23910

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

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Jeffrey R. Kurin, Reg. No. 41,132
Signature Date: July 18, 2003 (Attorney Signature)

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56. If this is a continuation, divisional or continuation-in-part application, it is understood that the Examiner will consider all information which was considered by the Office in a parent application. MPEP §609. Such information therefore is not listed herein unless it is desired that the information be printed on a patent issuing from the subject application.

Enclosed with this statement are the following:

- ☒ Form PTO-1449. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. §609.
- ☒ A copy of each cited document as required by 37 C.F.R. §1.98. Copies are not submitted of documents previously submitted by the applicant in a parent application from which benefit under 35 U.S.C. §120 is claimed, 37 C.F.R. §1.98(d)(1), with an *Information Disclosure Statement* submitted in the parent application which complies with the September 8, 2000 or subsequent revision of 37 C.F.R. §1.98(a-c). If any of the cited/submitted documents is in a foreign language, a concise explanation of relevance is provided pursuant to 37 C.F.R. §1.98(a)(3)(i). For foreign language documents cited in a search report by a foreign patent office, the requirement for a concise explanation of relevance is satisfied by the submission herewith of an English language version of the

search report. MPEP §609A(3). If a written English-language translation of a non-English language document, or portion thereof, is within the possession, custody or control of, or is readily available to any individual designated in §1.56(c), a copy of the translation accompanies this statement, 37 C.F.R. §1.98(a)(3)(ii), and satisfies the requirement for a concise explanation of relevance, MPEP §609A(3).

— **PTA Statement under 37 C.F.R. §1.704(d).** Each item of information contained in the *Information Disclosure Statement* was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the *Information Disclosure Statement*.

This statement should be considered because:

☒ **37 C.F.R. §1.97(b).** This statement qualifies under 37 C.F.R. §1.97, subsection (b) because:

- (1) It is being filed within three months of the filing date of an application other than a continued prosecution application under § 1.53(d);
-- OR --
- (2) It is being filed within 3 months of entry of a national stage;
-- OR --
- (3) It is being filed before the mailing date of the first Office Action on the merits,
-- OR --
- (4) It is being filed before the mailing date of the first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. §1.114.

— **37 C.F.R. §1.97(c).** Although it may not qualify under subsection (b), this statement qualifies under 37 C.F.R. §1.97, subsection (c) because:

- (1) It is being filed before the mailing date of a FINAL Office Action, a Notice of Allowance, or an action that otherwise closes prosecution in the subject application, whichever occurs first.

-- AND (check at least one of the following) --

- (1) It is accompanied by a STATEMENT as set forth in 37 C.F.R. §1.97(e).
-- OR --
— (2) It is accompanied by the \$180 fee set forth in 37 C.F.R. §1.17(p).

— **37 C.F.R. §1.97(d).** Although it may not qualify under subsection (b) or (c), this statement qualifies under 37 C.F.R. §1.97, subsection (d) because:

- (1) It is being filed on or before payment of the Issue Fee;
-- AND --
- (2) It is accompanied by a STATEMENT as set forth in 37 C.F.R. §1.97(e);
-- AND --
- (3) It is accompanied by the \$180 fee set forth in 37 C.F.R. §1.17(p).

✓ **Fee Authorization.** The Commissioner is hereby authorized to charge any deficiencies or credit any overpayment to Deposit Account No. 06-1325. A duplicate copy of this authorization is enclosed.

Respectfully submitted,

FLIESLER DUBB MEYER & LOVEJOY LLP

Date:

7/18/03

By:

Jeffrey R. Kurin

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FOREIGN PATENT DOCUMENTS								
Examiner Initial		Document Number	Publication Date	Country	Class	Subclass	Trans- lation	
							Yes	No
	40.	1 115 064	July 11, 2001	EP			X	
OTHER DOCUMENTS (Include author (if any), title, publisher and place of publication, date and pertinent pages)								
	41.	Morcos, Anthony C., "Voice Coil Actuators for Use in Motion Control Systems," Motion Magazine, 5 pp. Fall 1998						
	42.	"Advanced Servo-Mechanical Design Facilitates Improved Performance and Reliability," 4 pp., 11/99, http://www.ibm.com/harddrive						
	43.	"How a Hard Disk Drive Works, Heads," Hard Disk Drive Guide, 2 pp., 11/6/2002, http://www.duxcw.com/digest/guides/hd/hd5.htm						
	44.	Arkin, Michael, "Understanding Head Positioning Systems in Disk Drives - A Primer for the Dynamics of Servo Control," DataTech, Edition 3, Section 4, Pages 61-65, ICG Publishing						
Examiner				Date Considered				
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>								
<p>*1 = Copy not submitted because it was submitted in prior application SN __/____, filed _____, 20____, relied on under 35 USC §120.</p> <p>*2 = Copy not submitted because it was submitted in prior application SN __/____, filed _____, 20____, relied on under 35 USC §120.</p>								

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	32.	6,115,199A	Sep.5,2000	Bang			
	33.	6,204,629 B1	Mar.20,2001	Rote et al.			
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	36.	6,487,033 B1	Nov.26,2002	Heydt et al.			
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Examiner Initial		Application Number	Filing Date	First Named Inventor	Petition to Expunge? Yes No		
	38.	10/368,743	Feb. 19,2003			No	
	39.	10/369,314	Feb.19,2003			No	

Form PTO-1449 (Substitute)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket Number PANA-01077US0		Serial/Patent Number Unknown	
Information Disclosure Statement BY APPLICANT (Use several sheets if necessary)				Applicant/Patent Owner Brian Tanner			
				Filing/Issue Date Herewith		Group Art Unit	
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	1.	4,168,457	Sep.18,1979	Rose			
	2.	4,524,398	Jun.18,1985	Fujiki			
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	4.	4,755,892	Jul 5, 1988	Carteau et al.			
	5.	4,864,437	Sep.5, 1989	Couse et al.			
	6.	4,876,491	Oct.24, 1989	Squires et al.			
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